

ASATIANI, V.S.; prinali uchastiye: AGEYEVA, A.K.; KEKELIDZE, O.V.;
PICHKHAYA, T.P.; PRUIDZE, T.V.

Data on the comparative biochemistry of man and monkey. Ukr.biokhim.
zhur. 30 no.3:392-401 '58. (MIRA 13:3)

1. State Medical Institute, Tbilisi.
(MONKEYS) (BLOOD--ANALYSIS AND CHEMISTRY)

ASATIANI, V.S.; PICHEHAYA, T.P.; AGEYEV, A.K.; KIKELIDZE, O.V.; PRUIDZE, T.V.

Some indicators of blood composition in the lower apes. Biul. eksp.
biol. med. 47 no.2:69-73 F '59. (MIRA 12:4)

1. Iz Tbilisskogo meditsinskogo instituta. Predstavlena deystvitel'ny
chlenom AMN SSSR V.V. Parinym.

(BLOOD,

chem. in lower monkeys, comparison with human standards (Rus))

(MONKEYS,

blood chem. in lower monkeys, comparison with human stan-
dards (Rus))

KEKELIDZE, O. V., KITIYA, T. D., KORDZAKHIYA, T. P., KUNCHULIYA, V. G., FRUIDZE, T. V.,
TSULEYSKIRI, G. V., PICHKHAYA, T. P., ASATIANI, V. S., ANASAHVILI, A. Ts., AGEYEVA, A. K.,
(USSR).

The Effect of the Mountainous Climate on Biochemical Aspects of Human Blood.

report presented at the 5th Int'l.
Biochemistry Congress, Moscow, 10-16 Aug. 1961.

KEKELIYA, A.G.

Singular integrodifferential equation for an elastic airplane
wing of finite span. Soob.AN Gruz.SSR 28 no.1:9-16 Ja '62.
(MIRA 15:4)

1. Tbilisskiy gosudarstvennyy universitet. Predstavleno
akademikom N.P.Vekua.
(Integrodifferential equations) (Airplanes--Wings)
(Elasticity)

13793

S/251/62/028/001/001/003
I027/I242

AUTHOR: Kekeliya, A.G.

TITLE: A singular integro-differential equation of elastic aircraft wing of a finite span

PERIODICAL: Akademiya nauk Gruzinskoy SSR. Soobshcheniya, v.28, no.1, 1962, 9-16

TEXT: Successive approximations are used to solve the basic equation which is of the form:

$$\frac{\Gamma'(t_0)}{B(t_0)} \frac{1}{\pi} \int_{-a}^{+a} \frac{\Gamma'(t) dt}{t - t_0} = F(t_0) \quad (1)$$

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I027/I242

A singular integro-differential...

where:

$$F(t_0) = F_0(t_0) - 4 \rho V^2 \int_0^{t_0} \chi(t) dt \int_{t_0}^t \psi(t_1) \Gamma(t_1) dt_1,$$

$$F_0(t_0) = 4 V [\alpha + \alpha_1(t_0)] - 4 \rho V^3 \int_0^{t_0} \chi(t) dt \int_a^t \phi(t_1) dt_1,$$

$$B(t_0) = \frac{1}{4} a_w(t_0) b(t_0),$$

$$\chi(t) = \frac{1}{G J_P} t, \phi(t) = c_{m_0}(t) b^2(t), \psi(t) = \frac{m(t) b(t)}{a_0(t)}. \quad (2)$$

Here: V - the air-stream velocity; α - the angle of attack of the mean section; $\alpha_1(t)$ - the angle of the construction twist; ρ - the stream density; $2a$ - the wing span; $c_{m_0}(t)$ - the coefficient of longitudinal moment corresponding to zero lift;

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A singular integro-differential...

$GJ_p(t)$ - the wing rigidity to twisting; $b(t)$ - the chord at the section t ; $\alpha_0(t)$ - tangent of the inclination angle of the line $C_t=f(\)$ for a wing with an infinite span (C_t - lift coefficient); $m(t)$ - tangent of the inclination angle of the longitudinal-moment coefficient line with respect to the center of rigidity for a wing with infinite span; $\Gamma(t)$ - the circulation. The last six functions are even functions. Using the inversion formula for the Cauchy integral in (1), the author obtains an integral equation for $\Gamma(t)$ which is solved by successive approximations. If $\chi(x) = \frac{1}{GJ_p(x)} = \varepsilon \chi_0(x)$ and ε is small, the solution is given by the absolutely and uniformly convergent series

$$\Gamma(t) = \sum_{n=0}^{\infty} \Gamma_n(t) \varepsilon^n, \quad (10)$$

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A singular integro-differential...

where $\Gamma(t)$ satisfies Fredholm integral equation of the second kind. If $\sqrt{a^2-t^2}/b(t)$ is a rational function the first approximation $\Gamma_0(t_0)$ (which corresponds to a non-elastic wing) can be effectively constructed.

ASSOCIATION: Tbilisskiy gosudarstvennyy universitet
(Tiflis State University)

PRESENTED: by N.P. Vekua, Academician

SUBMITTED: December 6, 1960

Card 4/4

KEHELIYA, M.A.

Epidotization process in the rocks of the Zekar intrusion (western Georgia). Geokhimiia no.12:1261-1266 D '64.

(MIRA 18:8)

1. Institut geokhimii i analiticheskoy khimii imeni V.I.Vernadskogo AN SSSR, Moskva, i Geologicheskii institut AN GruzSSR.

16.3500

25003

S/044/61/000/003/004/014
C111/C333

AUTHOR: Kekeliya, M. M.

TITLE: On a nonlinear boundary value problem of the theory of the Newton potential

PERIODICAL: Referativnyy zhurnal, Matematika, no. 3, 1961, 29, abstract 3B118. (Tr. Gruz. politekhn. in-t, 1958 (1959), Nr.1(62))

TEXT: Let the three-dimensional domain D be bounded by a finite number of simple closed Lyapunov surfaces S_0, S_1, \dots, S_m which do not intersect each other, where S_0 envelops all other surfaces (surface S_0 can also be absent). These surfaces are divided into two groups: $S' = \sum_{i=0}^k S_i$ and $S'' = \sum_{i=k+1}^m S_i$ ($0 \leq k \leq m$). The author seeks a function $u(p)$ harmonic in D which is continuous also on the boundary of D , which possesses normal derivatives in the points of s'' and which satisfies the boundary conditions:

Card 1/3 $u - f_1(p, u) = 0$ for $p \in S'$,

On a nonlinear boundary value . . . ²⁵⁰⁰³ S/044/61/000/003/004/014
C111/C333

$$\frac{du}{dn} - f_2(p, u, \frac{du}{dn}) = 0 \text{ for } p \in S''.$$

where $f_1(p, u)$ and $f_2(p, u, v)$ are continuous in p and satisfy the

Lipschitz condition in u, v . Assume that u can be represented as sum of a potential of double layer (distributed on S') and of a potential of single layer (distributed on S''), where the densities are continuous. The problem is reduced in usual manner to a system of nonlinear integral equations. It is shown that, if certain conditions are satisfied (the domain D and the Lipschitz constants of f_1 and f_2 must be small), the principle of the contracting mapping is applicable to this system so that the initial problem possesses a unique solution in this case. At the end of the paper the uniqueness theorem is proved without the assumption on the representability of the solution as sum of potentials, hereby, however, additional restrictions are made concerning the

functions f_1 and f_2 : $f_1(p, u)$ does not increase in u for fixed p ,

Card 2/3

On a nonlinear boundary value . . . ²⁵⁰⁰³ S/044/61/000/003/004/014
C111/C333

$f_2(p, u, \frac{du}{dn})$ either does not depend on u and is not increasing in $\frac{du}{dn}$ or it does not depend on $\frac{du}{dn}$ and is not decreasing in u .

[Abstracter's note: Complete translation.]

Card 3/3

KEKELIYA, M.M.

A nonlinear boundary value problem in the theory of harmonic
functions in a Hilbert functional space. Trudy GPI [Gruz.]
no.6:47-53 '61. (MIRA 16:4)
(Boundary value problems) (Harmonic functions)
(Hilbert space)

MERABISHVILI, V.I.; DZAGONKOVA, E.N.; CIOGADZE, A.G.; KEBELIYA, N.M.

Surgical treatment of outward deviation of the first toe of
the foot. Soob. AN Gruz. SSR 38 no. 3:703-707 Ja '65.
(MIRA 18:12)

RUSETSKIY, B.; KEKEMAN, Yu., birgadir rabochikh ochistnogo zaboya

Our gift. Sov.shakht. 10 no.5:11 My '61.

(MIRA 14:9)

1. Predsedatel' uchastkovogo profsoyuznogo komiteta donetskoy shakhty no.2 "Kantarnaya" tresta Shakhterskantratsit (for Rusetskiy).
(Donets Basin--Coal mines and mining--Labor productivity)

KEKENAK, J.

First results of self-help in the small-scale agricultural development of machine-tractor stations. p. 391. (MECHANISACE ZEMEDLSTVI, Vol. 7, No. 17, Sept 1957, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, No. 12, Dec 1957. Uncl.

KEKENAK, Jan

Additives for gearbox oils. Ropa a uhlie 4 no.12:371-377 D '62.

1. Slovnaft, n.p., Vyskumny ustav pre ropu a uhlovodikove
plyny, Bratislava.

KEKENAK, Jan

Development of heavy duty motor oils. Pt. 2. Ropa a uhlie
5 no. 9:272-278 S '63.

1. Slovnaft National Enterprise, Research Institute of Crude Oil and Hydrocarbon Gases, Bratislava.

KEKENAK, Jan

Motor oil additives. Ropa a uhlie 6 no. 7:216-217 J1'64

1. Slovnaft National Enterprise, Research Institute of Petroleum and Hydrocarbon Gases.

L 12303-63

Lubricating oil additives

S/081/63/000/005/060/075⁰

was raised to -16° C. Then to the oil 0.3% weight of 30% oil concentrate of petroleum sulfonate was added with molecular weight of 890, as a result of which the ST of the mixture was lowered to -34° C. Zarembo.

[Abstractor's note: Complete translation]

Card 2/2

KEKENAK, Jan

Development of oils for heavy-duty motors. Pt.1.
Ropa a uhlie 5 no.6:182-187 Jo '63.

1. Slovnaft, Vyskumny ustav pre ropu a uhlovodikove plyny,
Bratislava.

BIRO, Istvan, Dr.; KÉKES, Mde, Dr.

Buogarbon dermatitis. Orv. hetil. 100 no.17:624-626 26 Apr 59.

I. Az Orvostovábbképző Intézet (mb. igazgató: Barsony Jenő dr.)

III. Belosztályának (főorvos: Strausz Imre dr.) közleménye.

(DERMATITIS, etiol. & pathogen.

carbutamide (Hun))

(ANTIDIABETICS, inj. eff.

carbutamide causing dermatitis (Hun))

MOLNAR, Antal, dr; KÉKES, Mde, dr.

Leukocytosis during ACTH and prednisolone therapy. Orv. hetil.
101 no.20:695-697 15 My '60.

1. Orvostovábbképző Intézet, III. belosztály.
(CORTICOTROPIN pharmacol.) ..
(PREDNISOLONE pharmacol.)
(LEUKOCYTE COUNT pharmacol.)

HUNGARY

STRAUSS, Imre, KEKES, Ede, JANIKOVSKY, Bela, MOLNAR, Antal; 3rd Department of Internal Medicine (III. sz. Belgyógyászati Tanszék) of the Institute of Post-Graduate Medical Training (Orvostovábbképzőintézet).

"Erythropoietic Effect of the Serum of Patients Inflicted with Heart Insufficiency."

Budapest, Kisebület Orvostudomány, Vol 15, No 1, Feb 63, pp 25-32.

Abstract: [Authors' Hungarian summary] The erythropoietin level of the sera of 23 among 30 patients suffering from heart insufficiency on the right side, resulting from various heart diseases, was elevated to varying degrees. The peripheral symptoms of the activity of the blood-forming system (reticulocyte number, presence of normoblasts, erythrocyte number, hematocrit) could not be related with any regularity to the serum level of erythropoietin. All the references are Western.

1/1

2

STRAUSS, Imre, dr.; KEKES, Ede, dr.; MOLNAR, Antal, dr; JANIKOVSKY, Bela, dr.

The appearance of nucleated red blood cells in the peripheral blood in some cases of heart failure. Orv. hetil. 104 no.6:255-262 10 F '63.

1. Orvostovábbképző Intézet, III. Belgyógyászati Tanszék.
(HEART FAILURE, CONGESTIVE) (PULMONARY HEART DISEASE)
(RHEUMATIC HEART DISEASE) (ERYTHROCYTES)

HUNGARY

KTKES, Ede, Dr, DOCTOR, Frieyses, Dr; Institute of Postgraduate Medical Education, III. Department of Medicine (chairman: STRAUZ, Imre, Dr) and Department of Laboratory Investigations (chairman: PUTNOKY, Gyula, Dr) (Orvos-tovabbkepzo Intezet, III. Belgyogyaszati Tanszek es Laboratoriumi Vizsgalatok Tanszeka), Budapest.

"Sideroachrestic Anemia with Megaloblastic Blood Formation."

Budapest, Orvosi Hetilap, Vol 107, No 40, 2 Oct 66, pages 1895-1897.

Abstract: [Authors' Hungarian summary] The group of sideroachrestic anemias which is discussed is combined with megaloblastic blood formation and, for that reason, may present problems of differentiation from pernicious anemia. Two cases are described in detail which are classified in this group. The symptomatology and therapy of the disease are described. The role of enzyme defects in heme synthesis and the importance of damages caused by drugs are pointed out. 5 Hungarian, 14 Western references.

1/1

L 33113 66 BO
ACC NR: AT6023534
"APPROVED FOR RELEASE: 06/13/2000
SOURCE CODE: RU/295715/RDP86-00513R000721420013-1"

AUTHOR: Balint, Gabor; Kekes Szabo, Andras--Kekesh Sabo, A. 28

ORG: Institute of Pharmacology, Medical University of Szeged (Szegedi Orvostudományi Egyetem, Gyógyszertani Intezet) B+1

TITLE: Thebaine⁶, its therapeutic use

SOURCE: Academia scientiarum hungaricae. Acta physiologica, v. 27, no. 2, 1965, 187-191

TOPIC TAGS: chlorpromazine, biologic metabolism, mouse, anesthesiology, drug effect, nervous system drug

ABSTRACT: The anesthetic and analgesic properties of thebaine (C₁₉H₂₁NO₃) have been studied in white mice and its antidiuretic effect in rabbits. It was found that thebaine is a more potent general anesthetic and a less potent analgesic than morphine. Chlorpromazine potentiates the hypnotic and analgesic effects of thebaine. In sharp contrast to morphine, thebaine did not seem to cause urine retention even when used in combination with chlorpromazine. Additional experiments may prove thebaine to be a useful anesthesiologic agent. Orig. art. has: 3 tables. [Orig. art. in Eng.] [JPRS]

SUB CODE: 06 / SUBM DATE: 15May64 / ORIG REF: 003 / OTH REF: 016

Card 1/1 BLG

0915

1497

STRAUSZ, Imre; KEKES, Ede; JANIKOVSKY, Bela; MOLNAR, Antal

Erythropoietic effect of the blood serum of patients with cardial decompensation. Kiserl. orvostud. 15 no.1:29-32 F '63.

1. Orvostovabbkepzo Intezet III. sz. Belgyogyaszati Tanszek.
(RHEUMATIC HEART DISEASE) (PULMONARY HEART DISEASE)
(CORONARY DISEASE) (LEUKOCYTE COUNT) (RETICULOCYTES)
(HEMATOCRIT) (ERYTHROPOIETIN) (SERTHERAPY)

KEKESI, E. 1949

(A Budapesti Paz. Pet. Tudo. Korelettani Inst. es az Orszagos Balneologiai Kutato Ontozet Kozlemenye)

"Effect of the Medicinal Mineral Water No.1, of Hadjuszoboszlo on Metabolism."

Orvosi Hetilap, 1949, 90/19(596-599)

Abst: Exc. Med. Vol. 111, No. 4, p, 500 Med. #11

1. The first of these is the

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CZECHOSLOVAKIA/ Human and Animal Physiology. Nervous System.
Higher Nervous System. Behavior.

T

Abstr Jour: Ref Zhur-Biol., No 20, 1958, 93671.

Author : Lissak, K., Grastyar, E., Molnar, L., Kekesi, F.,
Szabo, J., Voreby, G.

Inst :
Title : Significance of the Hypothalamus and Hippocampus for
Higher Nervous Activity.

Orig Pub: Physiol. bohemosl., 1957, 6, No 4, 440-446.

Abstract: No abstract.

Card : 1/1

140

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000721420013-1

Significance of the hypothalamus and hippocampus in the higher nervous activity. Cesk. fysiolo. 6 no.4:461-466 Nov 57.

1. Fysiologicky ustav lekarske fakulty, Pecs. Predneseno na Pavlovovskem zasedani v Lipsku 2. 12. 1955.

(HIPPOCAMPUS, physiology,
in higher nervous activity (Cz))

(HYPOTHALAMUS, physiology
same)

(CENTRAL NERVOUS SYSTEM, physiology
higher nervous activity, role of hippocampus & hypothalamus
(Cz))

COUNTRY : HUNGARY
 CATEGORY : Human and Animal Physiology, The Nervous System
 ABS. JOUR. : RZhBiol., No. 5 1959, No. 22479
 AUTHOR : Grastyán, E.; Lissak, K.; Kekesi, E.; Szabo, J.*
 INST. : --
 TITLE : The Physiology of the Hippocampus.
 ORIG. PUB. : Kiserl. orvostud., 1957, 9, No. 1, 88--99
 ABSTRACT : Electrical stimulation of the hippocampus of cats, in distinction from electrical stimulation of the hypothalamus and reticular formation, inhibited (not in a reciprocal sense) spontaneous and reflex movements, as well as antagonistic (feeding and defensive) conditioned reflexes. A description is given of the characteristic changes in the EEG associated with electrical stimulation of the hippocampus during conditioned reflex activity and during deep natural sleep. The role of the hippocampus in inhibition is considered.
 Card: 1/1
 * Vereby, I.

Comparative studies on the activation systems of hippocampus and brain stem by stimulation and EEG analysis during natural sleep. Acta physiol. hung. 11(Suppl):21-22 1957.

1. Physiologisches Institut der Medizinischen Universität, Pécs.
 (HIPPOCAMPUS, physiol.
 activation system during sleep, studies by electric stimulation & EEG in exper. animals (Ger))
 (BRAIN STEM, physiol.
 activation system of reticular form. during sleep, studies by electric stimulation & EEG in exper. animals (Ger))
 (SLEEP, physiol.
 activation systems of hippocampus & reticular form. during sleep, studies by electric stimulation & EEG in exper. animals (Ger))

KEKESI, Nandor

Plastic dyes. Magy ep ip 10 no.3:140 '61.

KEKESI, Nandor, fomernok

What are the main problems of the special mechanical trades?
Magy ep ipar 12 no.4:148-150 '63.

1. Epitesugyi Miniszterium Budapesti Szakipari Vallalata.

KEKESI, Nandor, Alpar-ermes

Development objectives of the concrete element manufacturing industry. Magyar ipar 13 no.6:321-323 '64.

KEKESI, Nandor, Alpar-ermes

House factory in Dunaujvaros. Magy ep ipar 13 no.11:
613-620 '64.

1/1

KEKESI, N. APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000721420013-1"

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45							
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ
1ST AND 2ND ORDERS																				2ND AND 4TH ORDERS																															
XX																																																			

Preserving wood with humic matter. R. Kekesi, Hung. 60,087, Oct. 24, 1928.
Wood is immersed in humic acid soln. or such soln. is pressed into the wood. This
may be followed by treatment with lime water in order to form Ca humate within the
wood.

20

TSANKOV, B.; KEEHAINOVA, M.

Notes on the stratigraphy of the Upper Cretaceous and
Paleogene in the Aytos Stara Planina. Godishnik biol
56 51-59 '61/'62.

KEKHAIOV, At.

On the problem of vestibular reactions caused by tumors of the posterior cranial fossa. Khirurgiia, Sofia 14 no.1:65-73 '61.

1. Vissh meditsinski institut, Sofia Katedra po ushni, nosni i gurleni bolesti Zav. katedrata: prof. G. IAnkov.

(BRAIN NEOPLASMS diag)
(VESTIBULAR APPARATUS physiol)

KEKHAIOV, At.

Photic reactivity in tumors of the posterior cranial fossa.
Khirurgia, Sofia 14 no.8:731-738 '61.

1. Vissh meditsinski institut, Sofia. Katedra po ushni, nosni i
gurleni bolesti. Zav. katedrata: prof. G. IAnkov.

(BRAIN NEOPLASMS diag)

KEKHAIOV, At.

In relation to the nature of peripheral non-inflammatory otoneurological syndrome from the localization receptor (Meniere's syndrome). Khirurgiia (Sofia) 15 no.1:75-84 '62.

1. Vissh meditsinski institut, Sofia katedra po ushni, nosni i gurleni bolesti zav. katedrata: prof. G. Jankov.

(MENIERE'S SYNDROME)

KEKHAIOV, At.

Murmurs in tumors of the posterior cranial fossa. Khirurgia (Sofia)
14 no.11:1053-1061 '61.

1. Visssh meditsinski institut, Sofia, katedra po ushni, nosni i
gurleni bolesti Zav. katedrata: prof. G. IAnkov.

(BRAIN NEOPLASMS diag) (AUSCULTATION)

KEKHAI OV, At.

Stato-kinetic changes in patients with tumors of the posterior
cranial fossa. Khirurgiia 15 no.4:409-419 '62.

1. Visssh meditsinski institut - Sofia Katedra po ushmu,
nosni i gurleni bolesti Zav. katedrata: prof. G. Iunkov.
(BRAIN NEOPLASMS diag)
(MOVEMENT DISORDER etiol)

KEKHAIOV, At.

Subjective noise in peripheral non-inflammatory otoneurological syndrome localised in the receptors (Meniere's syndrome).
Khirurgia 15 no.8:761-768 '62.

1. Vissih meditsinski institut - Sofia. Katedra po ushni, nosni i gurleni bolesti. Zav. katedrata: prof. G. Iankov.
(MENIERE'S SYNDROME)

KEKHAIOV, Dimitur

International division of labor, and the trend towards
independence. Trud tseni 5 no. 10:1-10 '63.

KEKHAIOV, Nikola, inzh.

Ways of improving the quality of beech pieces for twisted furniture,
and reduction of waste from their bending. Durvomebel prom 5
no.2:19-21

1. St. tekhnolog pri Durzhavnoto industrialno predpriatie "Stratsin",
Sofia.

KEKHAIOV, Nikola-K., inzh.

Sound organization, good results. Ratsionalizatsiia 13 no.2:
17-19 '63.

TRANKOV, V.; KUKHAILOVA, M.

Notes on the stratigraphy of the Upper Cretaceous and the
Paleogene in the Tytoška Planina mountain. Godishnik biol 56
no.2:51-59 '62-'62 [Publ. '63].

KEKHLIBAROV, T.

Second International Colloquium on Technical Application
of Ultraviolet Rays. Spisanië BAN 8 no. 4: 51-54 '63.

KEKHLIBAROV, Todor

Infrared photography and its application. Priroda Bulg 13
no. 2:50-54 Mr-Ap '64.

KEKHLIBAROV, Todor, nauch. suhr.

Second International Colloquium on Technical Application of
Ultraviolet Rays. Priroda Bulg 13 no. 2:105-106 Mr-Apr '64.

1. Institute of Physics, Bulgarian Academy of Sciences.

KEKHLIBAROV, Todor

Use of solar energy. Priroda Bulg 13 no.5:31-36 S-O '64.

L 18094-66

ACC NR: AF6010164

SOURCE CODE: BU/0001/65/000/002/0106/0108

AUTHOR: Kekhlibarov, Todor

ORG: none

TITLE: Bulgarian commission on lighting

SOURCE: Bulgarska akademiya na naukite. Spisanie, no. 2, 1965, 106-108

TOPIC TAGS: photometry, optic measurement, optic material, illumination engineering, illumination optics

ABSTRACT: Following a brief survey of various international and national commissions and groups on photometry, lighting, and the like, the note reports on the establishment on 12 September 1964 of the Bulgarian Commission on Lighting. The Commission held its first meeting on 26 October 1964 and after discussing comprehensive plans for its future operation, it established working groups 1) for optical units, 2) for methods of light measurement, 3) for the study of the characteristics of optical materials, 4) for illumination studies and lighting design, and 5) for the training of manpower, organization of seminars, and the like. [JPRS]

SUB CODE: 20 / SUBM DATE: none

Card 1/1 TS

L 34485-66

SOURCE CODE: BU/0001/65/000/004/0127/0131

ACC NR: AP6026284

AUTHOR: Kekhlibarov, Todor

ORG: none

TITLE: Third International Colloquium on Application of Ultraviolet Light

SOURCE: Bulgarska akademiya na naukite. Spisanie, no. 4, 1965, 127-131

TOPIC TAGS: physics conference, UV light, UV radiation, radiation measurement, radiation biologic effect, UV equipment

ABSTRACT: The Third International Colloquium on Application of Ultraviolet Light was held in Sthrahlsund, German Democratic Republic, fro 4 to 7 October 1965. It was organized by the Department for Medical Applications of the Physics-Engineering Institute of the German Academy of Sciences in Berlin and was attended by about 200 participants from the USSR, GDR, Hungary, Poland, Czechoslovakia, Yugoslavia, and Bulgaria. The 30 papers and communications presented to the Colloquium covered 1) the production of UV sources and the measurements of UV radiation; and 2) the biological application of UV rays. The present paper gives the names of the authors and brief summaries of the papers. An interesting exhibition of UV devices was held at the same time for the benefit of the participants and brief characteristics and operation of some interesting new commercial devices are described. It was decided that the next colloquium would be held in 1967 again in the German DR with the participation of scientists from all European countries. [JPRS: 36,599]

SUB CODE: 20, 06 / SUBM DATE: none

Cord 1/182

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L 31510-66 EWT(1)/EWT(m)/EWP(t)/ETI IJP(c) JD/JG
ACC NR: AP6008552 SOURCE CODE: UR/0166/66/000/001/0081/0084

AUTHOR: Kel'bert, S.L.; Nagaybekov, R.B.; Yagudayev, A.M.

73

ORG: Physics Technical Institute, AN UzSSR (Fiz'ko-tekhnicheskiy institut AN UzSSR)

B

TITLE: Some problems of pulse discharges in a vacuum

SOURCE: AN UzSSR. Izvestiya. Seriya fiziko-matematicheskikh nauk, no. 1, 1966, 81-84

TOPIC TAGS: refractory metal, pulse discharge, electrode, metal property

ABSTRACT: The authors study some problems of heavy-current commutation and erosion of electrodes made of refractory metals (Mo, W) in a vacuum. An analysis is made of the diffusion products precipitated on various base layers. The erosion of Mo, W electrodes has been determined in a vacuum in a pulse discharge. A qualitative dependence of the products of erosion on the parameters of the circuit is detected. A possibility is established for the creation of coatings of refractory metals of various density. Orig. art. has: 4 figures.

SUB CODE: 11 / SUBM DATE: 02Jul65 / ORIG REF: 001 / OTH REF: 001

Card 1/1 mc

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000721420013-1"

BAMBOV, L. Khr.; STEFANOVA, G.; OBREIKOV, L.; AVRAMOVA, V.; KEMENOVA, V.
LOLOVA, V.

Exudative tuberculous pleurisy as an early manifestation of pulmonary tuberculosis. Suvrem med., Sofia no.3:79-85 '61.

1. Okruzhen tuberkulozen dispenser, Burgas (Glaven lekar M. Karapalev).

(TUBERCULOSIS PULMONARY diag)

KEKHAYOV, A.N.

Experimental rotatory nystagmus disorders in patients with
tumors of the posterior cranial fossa. Vest.otorin. no.5:
63-66 '62. (MIRA 15:9)

1. Iz kliniki bolezney ukha, gorla i nosa (zav. ~ prof. G. Yankov)
Sofiyskogo vysshegmeditsinskogo instituta, Bolgariya.
(BRAIN--TUMORS) (NYSTAGMUS)

KEKHCHER, O., DEMINA, N. and KULIKOV, Yu.

"Conference of the Directors of Institutes of Malaria and Medical Parasitology of the Ministries of Public Health of the Union Republics", Med. Paraz. i Paraz. Bolez., Vol. 17, No. 3, pp 286-88, 1948.

KEKHCHER, O. M. and SARIKYAN, S. Ya.

"The Effectiveness of the Use of DDT in the Fight Against Malaria in Various Regions of the USSR," Malyariya i Bor'ba s Ney, Moscow, 1952, pp 63-68.

S/058/61/000/012/032/082
A058/A101

AUTHORS: Andreychin, R., Kekhlibarov, T.

TITLE: Small portable quartz spectrograph for measuring solar ultraviolet radiation

PERIODICAL: Referativnyy zhurnal, Fizika, no. 12, 1961, 243, abstract 12G135 ("Izv. fiz. in-t's ANYeB", 1960, no. 8, 267-274, Bulg., Russ. and Germ. summaries)

TEXT: There is described a spectrograph using a self-collimating Ferri prism for comparative spectral intensity measurements of the Sun's ultraviolet radiation. ✓

[Abstracter's note: Complete translation]

Card 1/1

KEKHLIBAROV, T.

The Sirius xenon lamp. Fiz mat spisanie BAN 6 no.1:59-60 '63.

ANDREICHIN, R., d-r; KEKHLIBAROV, T.

Comparative spectral measurements of the ultraviolet solar radiation. Pt. 1. 1960. Izv fiz atom BAN 9 no.2:191-200 '62.

1. Chlen na Redaktsionnata kolegia, "Izvestiia na Fizicheskiia institut s ANEB" (for Andreichin).

KEKHLIAROV, T.

Second International Colloquium on Technical Application of
Ultraviolet Rays. Fiz mat spisanie BAN 7 no.1:67-68 '64.

ANDREICHIN, R., d-r; IVANOV, A.; KRAHLISANOV, T.

A device for the standard development in the photographic photometry. Izv fiz atom BAN 10 no.2:81-86 '62.

1. Chlen na Redaktsionnata kolegiia, "Izvestiia na Fizicheskiiia institut s ANEB."

ANDREICHIN, R., d-r; KEKHLIBAROV, T.; MLADENOV, At.

A device for simultaneous recording of solar radiation intensity in various spectral regions. Izv fiz atom BAN 11 no.1/2:49-58 '63.

1. Chlen na Redaktsionnata kolegiia "Izvestiia na Fizicheskiia institut s ANEB" (for Andreichin).

KEKHLIBAROV, Todor

A common task of the Academies of Sciences of Bulgaria
and East Germany. Spisanie BAN 8 no.1:108-113 '63.

KEKHLIBAROV, Todor

Ball-shaped luminescent lamps with tungsten spiral. Elektroenergiia
15 no.11;24-25 N '64.

KEKHTELIDZE M. G.

USSR / Human and Animal Physiology (Normal and Pathological). Blood. Hemopoiesis T

Abs Jour: Ref Zhur-Biologiya, No 21, 1958, 97385

Author : Fedorov, N. A., Namyatysheva, A. M. Kekhtelidze, M. G.

Inst : Not given

Title : Study of Hemopoietic Factor of the Stomach with the Aid of a Blood Culture Method

Orig Pub: Probl. gematol. i perelivaniya krovi, 1956, 1, No 1, 10-16

Abstract: Under the influence of gastric juice of dogs and main, bone marrow cultures of the number of mitosis of young cell elements increased, the over-all number of red cells increased, their maturity speeded up,

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USSR / Human and Animal Physiology (Normal and Pathological). Blood. Hemopoiesis T

Abs Jour: Ref Zhur-Biologiya, No 21, 1958, 97385

macronormoblasts with nuclei ejection were observed more frequently, fragmentation and concentration of nuclei of cells of hemoblasts was increased, hemoglobinization of cytoplasm was accelerated. From various forms of anemia, the hemopoietic factor (HF) was absent in the gastric juice only by anemia of Addison-Biermer. HF is not connected with the presence of pepsin, acidity, and amount of secretion; it passes easily through semipermeable membrane and is long preserved by low temperatures but is very thermolabile. It was established on dogs with isolated ventricles that HF is formed principally in the fundal part of the stomach. The strongest irritant is milk, mostly whey, then meat and casein, bread, and histamine. Milk affects directly the

Card 2/3

KEKIC, Halil; MLADENOVIC, Olivera; PAVLOVIC, Vojislav

Central and surface temperature of students while studying
and during examinations. God Biol inst Sar 15 no.1/2s3-12 '62

1. Prirodno-matematički fakultet Univerziteta, Sarajevo.

PAVLOVIC, Vojislav; MLADENOVIC, Olivera; KEKIC, Halil; VUKOVIC, Tihomir

Sedimentation and number of erythrocytes, and concentration of hemoglobins in *Salmo trutta* m. *fario* L. and *Thymallus thymallus* L. from the area of the source of the Bosna River under seasonal and ecological conditions. Pt.2. God Biol inst Sar 15 no.1/2:55-76 '62

1. Prirodno-matematički fakultet i Biološki institut Univerzитета, Sarajevo.

KEKIC, Zlatko, Dr.

~~SECRET~~
Apparatus for extension in nose fractures. Lijec. vjes.
77 no.10-12:504-508 Oct-Dec 55.

1. Iz Otolaringoloskog odjela Opce bolnice dra M. Stojanovica
u Zagrebu.

(NOSE, fract.
extension appar., value. (Ser))
(FRACTURES,
nose, extension appar., value. (Ser))

ORESKOVIC, M., doc., dr.; KEKIC, Z., dr.

Extended indications for tracheotomy. Med. arh. 16 no.2:27-30 '62.

1. Otolaringoloski odjel Opće bolnice "Dr M. Stojanovic" u Zatrebu
(Predstojnik: prof. dr Ante Serce).

(TRACHEA surg)

TASHLIYEV, A.O.; KKKILOVA, A.F.

Feeding habits of some insectivorous birds in the Karakum
Canal zone. Izv. AN Turk. SSR. Ser. biol. nauk no.5:68-73
'63. (MIRA 17:10)

1. Institut zoologii i parazitologii AN Turkmenskoy SSR.

REKIN, A. A.

PA 16/4-T104

USSR/Mining Equipment
Dust Suppression

Oot 48

"New Filters for Precipitating Ore Dust," A. A.
Rekin, Mining Engr, 3/4 p

"Gor Zhur" No 10

Describes two filters designed by Leningrad
miners. Both operate by purifying air with
water.

FAB

16/49T104

KEKIN, A.A.
TORSKIY, P.M.; VOLOKHOV, M.I.; KEKIN, A.A.; RADCHENKO, G.A.; BRICHKIN, A.V. ., prof.,
redaktor; ROROKINA, Z.P., tekhnicheskiy redaktor

[Principal problems in controlling mine dust] Osnovnye voprosy
bor'by s rudnichnoi pyl'iu Alma-Ata, Izd-vo Akademii nauk Kazakh-
skoi SSR, 1951. 162 p. (MIRA 9:2)

1. Chlen-korrespondent Akademii nauk KazSSR (for Brichkin)
(Mine dusts)

KIKIN, A.A., kandidat tekhnicheskikh nauk

Conditions of dust formation and moistening in flush borings.
Bor'ba s sil. 2:54-60 '55. (MIRA 9:5)

1. Institut gornogo dela Akademii nauk Kazakhskoy SSR.
(DUST--PREVENTION) (BORING)

MIROSHNIK, K.Ye., gornyy inzhener; KEKIN, A.A., kandidat tekhnicheskikh nauk

Experimental application of side flushing in boring with core hammers. Bor'ba s sil. 2:96-98 '55. (MLRA 9:5)

1. Institut gornogo dela Akademii nauk Kazakhskoy SSR.
(BORING) (DUST--PREVENTION)

BARON, L.I., doktor tekhnicheskikh nauk; KEKIN, A.A., kandidat tekhnicheskikh nauk; TERENT'YEV, V.I., kandidat tekhnicheskikh nauk; AKHMETOV, M.M., kandidat tekhnicheskikh nauk; ZHANABATYROV, Ye.S., gornyy inzhener

Studying the effectiveness of different systems used for the precipitation of dust in boring with pneumatic hammers. Bro'ba s sil. (MLRA 9:5)
2:118-131 '55.

1. Komissiya pri Akademii nauk SSSR po bor'be s silikozom (for Baron)
2. Insitut gornogo dela Akademii nauk Kazakhskoy SSR.
(DUST COLLECTORS) (BORING)

Kekin, A.A.

KEKIN, A.A..

Effect of shape of the bore bit on the amount of dust formation.
Trudy Inst. gor. dela AN Kazakh. SSR 1:104-112 '56. (MIRA 11:1)
(Boring machinery) (Mine dusts)

~~SHKPELEV~~, Semen Fedorovich, RADCHENKO, Grigoriy Alekseyevich; ~~KEKIN, A.A.~~
kandidat tekhnicheskikh nauk, otvetstvennyy redaktor; BRAILOVSKAYA,
M.Ya., redaktor; BOROKINA, Z.P., tekhnicheskiy redaktor.

[Establishment of standards for the flow of air in the ventilation
of mines with a silicosis risk] Ustanovlenie norm raskhoda vozdukh
dlya provetrivaniya vyrabotok na silikozno-opasnykh rudnikakh. Alma-
Ata, Izd-vo Akad.nauk Kazakhskoi SSR, 1957. 122 p. (MLRA 10:4)
(Mine ventilation)

RECEIVED
KEKIN, A.A.

Some results in the development of mining technology in Kazakhstan.
Trudy Inst. gor. dela AN Kazakh. SSR 2:5-12 '57. (MIRA 10:12)
(Kazakhstan--Mining engineering)

KEKIN, A.A.; SHILENKOV, V.N.; V'YUGOV, G.I.

Dust collector for pneumatic percussion boring. Izv. AN Kazakh.
SSR. Ser. gor. dela, met., stroi. i stroimat. no.2:115-120 '57.
(Rock drills--Attachments) (MLRA 10:9)

KEKIN, A.A.

127-11-3/12

AUTHORS: Kekin, A.A., and Alekseyev, O.I., Candidates of Technical Sciences

TITLE: Ore-Mining Industry of Kazakhstan (Gornorudnaya promyshlennost' Kazakhstan)

PERIODICAL: Gornyy Zhurnal, 1957, # 11, p 16 (USSR)

ABSTRACT:

The ore-mining industry of Kazakhstan is represented by very large enterprises such as the Dzheskazgan copper mines, Kounrad mine, and the polymetal combines in Leninogorsk, Zyryanovsk, Achisay and Tekeli. In addition to them, dozens of polymetal, rare-metal and gold-recovering mines are operating in Kazakhstan. In the Kustanay steppe the Sokolov-Sarbay Mining Concentration Combine is being constructed to mine 2 large deposits of magnetite ores. South of it, there are the Lisakov and Ayat deposits of hydrogoethite ores of sedimentary origin whose total resources exceed those of the Kerch basin by almost three times. Six scientific research and educational mining institutions are functioning in Kazakhstan: the Institute of Mining of the Kazakh Academy of Sciences, the Kazakh Mining-Metallurgical Institute, the Altai Mining-Metallurgical Institute of the Kazakh Academy of Sciences, the Ka-

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KEKIN, A.A.; SHILENKOV, V.N.; V'YUGOV, G.I.; STAKHANOV, A.N.; SOLONITSYN, B.P.

Effect of air pressure in boreholes on pneumatic hammer performance.
Izv. AN Kazakh. SSR. Ser. gor dela no.2:89-92 '58.

(MIRA 12:10)

(Boring machinery)

BEKLEMISHEV, N.D., otv.red.; KEKIN, A.A., otv.red.; VOLOKHOV, M.I., red.;
KHAMITOVA, V.Z., red.; SOKOLOV, A.G., red.; ROROKINA, Z.P.,
tekhn.red.

[Materials on a Republic-wide medical and technical conference
on silicosis control] Materialy Respublikanskoy nauchno-tekhni-
cheskoy i meditsinskoy konferentsii po bor'be s silikozom.
Alma-Ata, Izd-vo Akad.nauk Kazakhskoi SSR, 1959. 223 p.
(MIRA 13:4)

1. Respublikanskaya nauchno-tehnicheskaya i meditsinskaya konfe-
rentsiya po bor'be s silikozom. Alma-Ata, 1957. 2. Chlen-korrespon-
dent AN KazSSR; Institut krayevoy patologii AN KazSSR (for Bekle-
mishev). 3. Predsedatel' Respublikanskoy komissii po bor'be s sili-
kozom pri AN KazSSR (for Kekin). 4. Zaveduyushchiy pylevoy labora-
toriyey (for Volokhov). 5. Zaveduyushchaya otdelem gigiyeny truda
Instituta krayevoy patologii AN KazSSR (for Khamitova).
(LUNGS--DUST DISEASES)

~~KEKIN, A.A.~~ SHILENKOV, V.N.; STAKHANOV, A.N.; SOLONITSYN, B.P.; V'YUGOV, G.I.

Dust suppression with a water and air mixture during pneumatic
impact boring. Izv. AN Kazakh. SSR. Ser. gor. dela no.1:104-108
'59. (MIRA 12:9)

(Boring) (Drilling fluids)

KEKIN, A.A., kand.tekhn.nauk; SHILENKOV, V.N., kand.tekhn.nauk

Use of the Venturi scrubber-type dust collector in drilling
holes with a pneumatic hammer. Bor'ba s sil. 3:66-70 '59.
(MIRA 12:9)

(DUST COLLECTORS)

KEKIN, A.A.; TSOY, S.; STAKHANOV, A.N.; SOLOVITSYN, B.P.

Dust removal in underground mechanical ore crushing plants. Izv. AN
Kazakh. SSR. Ser.gor.dela no.2:88-95 '60. (MIRA 13:10)
(Mine dusts) (Dust--Removal)

KHAKIN, A.A.; SOLONITSYN, B.P.; STAKHANOV, A.N.

Methods of mine dust control and their classification. Trudy
Inst. gor. dela AN Kazakh SSR 4:148-157 '60. (MIRA 13:9)
(Mine dusts) (Dust collectors)

KEKIN, A.A.

Information on results of research carried out by the Institute
of Mining Engineering of the Academy of Sciences of the Kazakh,
S.S.R. in 1958. Trudy Inst. gor. dela AN Kazakh.SSR 4:187-189 '60.
(MIRA 13:9)

(Kazakhstan--Mining engineering)

KEKIN, A.A.; TSOY, S.; STAKHANOV, A.N.

Determination of the statistical pressure in the operation of a
dust collector consisting of a venturi with a cyclone. Izv.AN
Kazakh.SSR.Ser.gor.dela no.2:85-90 '61. (MIRA 15:2)
(Dust collectors)

KEKIN, A.A.; TSOY, S.V.; STAKHIANOV, A.N.

Results of studies of a dust collector with preliminary coagulation
of dust. Trudy Inst.gor.dela AN Kazakh.SSR 8:137-149 '61.

(MIRA 15:4)

(Dust collectors)

KEKIN, A.A.; TSOY, S.; STAKHANOV, A.N.

Determining the dust content of air by the weighing method.
Izv. AN Kazakh. SSR, Ser. gor. dela no.1:79-85 '61. (MIRA 15:2)
(Mine dusts)

KEKIN, A.A., otv. red.; SHEPELEV, S.F., red.; RADCHENKO, G.A., red.;
POLZIK, V.A., red.; KUZNETSOV, Y.M., red.; FOROKINA, Z.P.,
tekhn. red.

[Transactions of the All-Union Conference on Mine Ventilation
and Dust Removal] Trudy Vsesoyuznogo soveshchaniia po pro-
vetrivaniiu rudnikov i obespylivaniiu rudnichnogo vozdukha,
Dzhezkazgan, 1960. Alma-Ata, Izd-vo AN Kaz.SSR, 1962. 267 p.

(MIRA 16:9)

1. Vsesoyuznoye soveshchaniye po provetrivaniyu rudnikov i
obespylivaniyu rudnichnogo vozdukha, Dzhezkazgan, 1960.
 2. Komitet po koordinatsii nauchno-issledovatel'skikh rabot
pri Sovete Ministrov Kaz.SSR (for Polzik). 3. Institut gor-
nogo dela AN Kaz.SSR (for Radchenko, Shepelev, Kekin).
- (Mine ventilation)

KEKIN, A.A.; TSOY, S.; SOLONITSYN, B.P.

Removing dust from underground mechanical ore-crushing chambers.
Trudy Inst.gor.dela AN Kazakh.SSR 9:181-187 '62. (MIRA 15:8)
(Mine dusts--Removal)

KEKIN, A.A.; TSOY, S.; SOLONITSYN, B.P.

Condensation settling of dust in suspension. Trudy Inst.gor.dela
AN Kazakh.SSR 9:198-204 '62. (MIRA 15:8)
(Mine dusts—Removal)

KEKIN, A.A., kand.tekhn.nauk; TSOY, S., kand.tekhn.nauk; STAKHANOV, A.N.

Dust collector made of a Venturi tube and a cyclone. Bor'ba s sil.
5:195-202 '62. (MIRA 16:5)

1. Institut gornogo dela Kazakhskoy SSR.
(Dust collectors)

KEKIN, A.A.; TSOY, S.; STAKHANOV, A.N.

Results of studying cloth filters for dust removal. Trudy Inst.
gor. dela AN Kazakh, SSSR 10:157-167 '63. (MIRA 16:8)

(Filters and filtration) (Mine dusts--Removal)

KEKIN, A.A.; SHCHETILIN, A.P.; NENASHEV, N.V.

Small-scale electric current feeding device to an electrostatic precipitator. Trudy Inst. gor. dela AN Kazakh SSR 12:164-171 '63. (MIRA 17:8)

KEKIN, A.A.; NEMASHEV, N.V.; SHCHETILIN, A.P.

Methods of determining the dispersing composition of drops
of spraying water. Trudy Inst. gor. dela AN Kazakh.SSR 12:
172-177 '63. (MIRA 17:8)

KEKIN, A.A.; SHEPELEV, S.F.; BRAGIN, N.G.

Controlling dust in the mining industry of Kazakhstan. Trudy Inst.
g. r. dela AN Kazakh SSR 15:3-10 '64. (MIRA 18:2)

KEELIN, A.A.; STARHANOV, A.N.; NENASHIN, N.V.

Establishing the optimal size of the drops in hydraulic dust removal. Trudy Inst.gor.dola AN Kazakh.SSR 1973-74 Vol.

Effect of the water flow on the efficient performance of water curtains. 'd. 1977-83 (MIRA 18:2)

KEKIN, A.A.; SHCHETILIN, A.P.; KENASHEV, N.Y.

Increasing the coagulating capacity of water by charging it in
an electrostatic field. Trudy Inst.gor.dela AN Kazakh.SSR 15:84-
90 '64. (MIRA 18:2)

KEKISHEV, A., avtomekhanik.

Organization for manufacture of automobile sled trailers. Avtomobil' 25 no.6:
21 Je '47. (MLRA 6:9)

(Sleighs and sledges) (Automobiles--Trailers)

MEKISHEV, M., mekhanik.

Wooden support for suspending front axles. Avt.transp. 33 no.12:
30 D '55. (MLRA 9:3)

(Automobiles--Repairing)

38934
S/057/62/032/007/009/013
B104/B102

24.6800

AUTHOR: Kekk, Kh.

TITLE: Calculation of magnetic spectrometers

PERIODICAL: Zhurnal tekhnicheskoy fiziki, v. 32, no. 7, 1962, 859-866

TEXT: Spectrometers for charged particles are calculated by a matrix method. The effect of small momentum spreads can be considered by using a matrix with three columns in the equilibrium-orbit kinetic equation. The method suggested allows of calculating the image distance, magnification, dispersion, and resolution of spectrometers which comprise several magnets without need to consider the effect of each individual element in the system. The known relations for intermediate images and other characteristics of spectrometers can be got. The matrix method may also be used for electric-field spectrometers. There is 1 figure. ✓

SUBMITTED: May 3, 1961

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POLIKANOV, S.M.; VAN TUN-SEN; ~~KEKK, Kh.~~; MIKHEYEV, V.L.; OGANESYAN,
Yu.TS.; PLEVE, A.A.; FEFILOV, B.V.; SARAITSEVA, V.R., tekhn.
red.

[Formation of nuclei with anomalous periods of spontaneous
fission in reactions with heavy ions] Obrazovanie iader s
anomal'nym periodom spontannogo deleniia v reaktsiakh s
tiazhelymi ionami. Dubna, Ob"edinennyi in-t iadernykh
issl., 1962. 6 p. (MIRA 15:10)

(Nuclear fission) (Nuclear reactions)
(Uranium—Isotopes)

L 17338-63 EWT(1)/EWT(m)/BDS/ES(w)-2 AFFTC/ASD/ESD-3/AFWL/IJP(C)/SSD Pab-4

ACCESSION NR: AP3004883

S/0120/63/000/004/0027/0030. 7/

AUTHOR: Kekk, Kh.; Mikheyev, V. L.; Pleva, A. A.; Fefilov, B. V. 68

TITLE: Measuring heavy-ion energy in the internal beam of a cyclotron 19

SOURCE: Pribery*1 tekhnika eksperimenta, no. 4, 1963, 27-30

TOPIC TAGS: cyclotron, cyclotron measurement, heavy ion, heavy-ion energy

ABSTRACT: Ion energy is measured by means of silicon surface-barrier detectors. Scattered by a thin foil at a definite angle, the ions are recorded along with alpha-particles of known energy. The amplitudes of the resulting pulses are compared with the amplitudes of the generator pulses that are fed into the input of a transistorized pre-amplifier operating in an 18-kilooersted-strong magnetic field. The overall error in determining initial ion energy does not exceed 2%; it is largely due to the GI-2A pulse generator. The energy measuring method is claimed to be convenient for use in apparatus intended for investigating some

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